

PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of

Complete if Known

Application Number	10/825,338
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Filing Date	April 15, 2004
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First Named Inventor	Gordon A. Tibbitts
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Art Unit	3672
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Examiner Name	Not Yet Assigned
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Attorney Docket Number	2237-00301
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U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	<i>Fred E.</i>	Date Considered	4/18/06
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U. S. PATENT DOCUMENTS

[illegible]

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[illegible]

Examiner Signature	<i>Frank [Signature]</i>	Date Considered	02/10/06
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142036/2237-00301

In Patent Form PTO-1449 Form		U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number		10/825,338	
		Filing Date		04/15/2004	
		Applicant(s)		Tibbitts et al	
		Art Unit		3672	
		Examiner Name		Unknown <i>Tseng</i>	
SHEET 1 OF 1		Attorney Docket Number		37163.18	

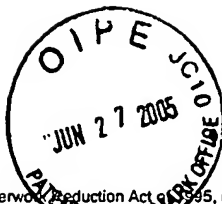
U. S. PATENT DOCUMENTS				
Examiner's Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
<i>77</i>	A1	5,199,512	04-06-1993	Curlett
	A2	5,291,957	03-08-1994	Curlett
	A3	5,542,486	08-06-1996	Curlett
	A4	6,142,248	11-07-2000	Thigpen et al.
	A5	6,571,700 B2	06-03-2003	Nakamura et al.
	A6	2006/0011386 A1	01-19-2006	Tibbitts
	A7	2006/0016622 A1	01-26-2006	Tibbitts
	A8	2006/0016624 A1	01-26-2006	Tibbitts
	A9	2006/0021798 A1	02-02-2006	Tibbitts
	A10	2006/0027398 A1	02-09-2006	Tibbitts et al.

FOREIGN PATENT DOCUMENTS					
Examiner's Initials	Cite No.	Foreign Patent Document (Country Code - Number - Kind)	Publication Date MM-DD-YYYY	Patentee or Applicant of Cited Document	Translation Y/N
	B1	GB 2,385,346 A	08-20-2003	Curlett Family Limited Partnership	No
	B2	GB 2,385,346 B	09-08-2004	Curlett Family Limited Partnership	No
	B3	WO 2002/25053 A1	03-28-2002	Curlett Family Limited Partnership	No
	B4	WO 2004/094734 A2	11-04-2004	Particle Drilling, Inc.	No
	B5	WO 2004/106693	12-09-2004	Particle Drilling, Inc.	No

NON-PATENT LITERATURE DOCUMENTS		
Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item, date, page(s), volume-issue number(s), publisher, city/country where published
	C1	COHEN ET AL., "High-Pressure Jet Kerf Drilling Shows Significant Potential to Increase ROP," SPE 96557, October 2005, 1-8.
	C2	GALECKI ET AL., "Steel Shot Entrained Ultra High Pressure Waterjet For Cutting and Drilling in Hard Rocks," 371-388.
	C3	Co-pending United States Patent Application Serial Number 10/558,181 filed November 22, 2005, Titled "System for Cutting Earthen Formations"
	C4	Co-pending United States Patent Application Serial Number 10/897,196 filed July 22, 2004, Titled "Impact Excavation System and Method"
	C5	Co-pending United States Patent Application Serial Number 11/204,436 filed August 16, 2005, Titled "Internal Subs with Flow Control of Shot"
	C6	Co-pending United States Patent Application Serial Number 11/204,442 filed August 16, 2005, Titled "Impact Excavation System and Method with Particle Trap"
	C7	Co-pending United States Patent Application Serial Number 11/204,722 filed August 16, 2005, Titled "Shot Trap"
	C8	Co-pending United States Patent Application Serial Number 11/204,862 filed August 16, 2005, Titled "PID Nozzles"
	C9	Co-pending United States Patent Application Serial Number 11/204,981 filed August 16, 2005, Titled "Injector Systems"
	C10	Co-pending United States Patent Application Serial Number 11/205,006 filed August 16, 2005, Titled "Secondary Types of Educators"
	C11	International Search Report PCT/US04/11578; Dated December 28, 2004.
	C12	International Preliminary Report of Patentability PCT/US04/11578; Dated October 21, 2005
	C13	Written Opinion PCT/US04/11578; Dated December 28, 2004.

Examiner Signature	<i>Frederick</i>	Date Considered	<i>8/8/06</i>
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				Application Number	10.825,338
				Filing Date	April 15, 2004
				First Named Inventor	Gordon A. Tibbitts
				Group Art Unit	3672
Examiner Name	Not Yet Assigned <i>T. S. [Signature]</i>				
Sheet	1	of	3	Attorney Docket Number	2237-00301

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>[Handwritten mark]</i>		US-3,112,800	12-02-1963	Bobo	
		US-3,416,614	12-17-1968	Goodwin et al.	
		US-3,576,221	04-27-1971	Hasiba	
		US-3,704,966	12-05-1972	Beck, Jr.	
		US-3,852,200	12-03-1974	Meyer	
		US-3,865,202	02-11-1975	Takahashi et al.	
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		US-4,042,048	08-16-1977	Schwabe	
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		US-4,534,427	08-13-1985	Wang et al.	
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		US-5,355,967	10-18-1994	Mueller et al.	
		US-5,862,871	01-26-1999	Curlett	
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		US-6,347,675	02-19-2002	Kollé	
		US-6,386,300	05-14-2002	Curlett et al.	
		US-6,581,700	06-24-2003	Curlett et al.	

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NON PATENT LITERATURE DOCUMENTS			
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<i>[Signature]</i>		WILLIAM C. MAUER ET AL.; "Impact Crater Formation in Rock"; Journal of Applied Physics; July, 1960; pp. 1247-1252; Vol. 31, No. 7.	
		L. W. LEDGERWOOD, JR.; "Efforts to Develop Improved Oilwell Drilling Methods"; Petroleum Transactions; 1960; pp. 61-74; Vol. 219; AIME.	
		J. E. ECKEL ET AL.; "Development and Testing of Jet Pump Pellet Impact Drill Bits"; Petroleum Transactions; 1956; pp. 1-10; Vol. 207; AIME.	
		DAVID A. SUMMERS; "Waterjetting Technology"; Feb. 9, 1995; pp. 557-598; Taylor & Francis.	
		ARTHUR ANDERSEN; "Global E&P Trends"; Jul. 1999; p. 13.	
		MIKE KILLALEA; "High Pressure Drilling System Triples ROPS, Stymies Bit Wear"; Drilling, March/April 1989; pp. 10 and 12.	
		Security DBS Booklet; 1995.	
		S. D. VEENHUIZEN ET AL.; "Ultra-High Pressure Jet Assist of Mechanical Drilling"; 1997 SPE/IADC Drilling Conference; Mar. 4-6, 1997; pp. 79-90; SPE/IADC 37579; SPE/IADC Drilling Conference; Amsterdam, The Netherlands.	
		CARL R. PETERSON ET AL.; "A New Look at Bit Flushing or the Importance of the Crushed Zone in Rock Drilling and Cutting"; undated.	
		"A Review of Mechanical Bit/Rock Interactions"; undated; pp. 3-1 to 3-68.	
		WILLIAM C. MAURER; "Advanced Drilling Techniques"; 1980; Petroleum Publishing Co.; Tulsa, Oklahoma, USA.	
		MADAN M. SINGH; "Rock Breakage By Pellet Impact"; December 24, 1969; IITRI Project No. D6000; ITT Research Institute; USA.	
<i>[Signature]</i>		JOHN F. RIPKEN ET AL.; "A Study of The Fragmentation of Rock by Impingement With Water and Solid Impactors"; Feb., 1972; Project Report No. 131; University of Minnesota; Minneapolis, Minnesota, USA.	

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		Considered	

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<i>TS</i>		JOHN C. FAIR; "Development of High-Pressure Abrasive-Jet Drilling"; Journal of Petroleum Technology; August, 1981; pp. 1379-1388; Society of Petroleum Engineers; USA.	
<i>TS</i>		WILLIAM C. MAURER ET AL.; "Deep Drilling Basic Research: Volume 1 - Summary Report"; June, 1990; GRI 90/0265.1; Gas Research Institute; USA.	
<i>TS</i>		D. A. SUMMERS ET AL.; "A Further Investigation of DIAjet Cutting"; Jet Cutting Technology-Proceedings of the 10 th International Conference; 1991; pp. 181-192; Elsevier Science Publishers Ltd.; USA.	
<i>TS</i>		J. J. KOLLE ET AL.; "Laboratory and Field Testing of an Ultra-High Pressure, Jet-Assisted Drilling System"; 1991 SPE/IADC Drilling Conference; Mar. 11-14, 1991; pp. 847-856; SPE/IADC 22000; SPE/IADC Drilling Conference; Amsterdam, The Netherlands.	

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